

ABSTRACT

A video image data reduction system through the use of object tracking reduces information in a video signal having a plurality of frames received from a motion video camera with a field of view. Moving objects in the field of view of the motion video camera are detected. These objects are selected if they are of interest. This is determined
5 either by comparison of the detected object against predetermined characteristics of objects of interest or by manual user selection. A data set for each frame of the plurality of frames in the video signal is created based on the selected moving objects. If a frame contains no selected objects then the data set for that frame is marked as empty.

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